Supplementary Material

Comparative Analysis of Carcass Traits of Two Meat Quail Breeds (*Coturnix coturnix*)

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Supplementary Table I. Correlation coefficient of carcass traits of meat quail.

Carcass traits	Body weight	Carcass weight	Carcass net weight	Heart weight	Liver weight	Breast muscle weight (total)	Leg muscle weight (single)	Slaughter rate	Whole net carcass rate	Heart rate	Liver rate	Breast muscle rate (total)	Leg muscle rate (single)
Body weight	1	0.998**	0.988**	0.600**	0.564**	0.926**	0.906**	0.417*	0.701**	-0.095	-0.714**	0.394*	-0.317
Carcass weight	0.996**	1	0.988*	0.596**	0.557**	0.926**	0.899**	0.467**	0.706**	-0.098	-0.717**	0.391*	-0.328
Carcass net weight	0.947**	0.949**	1	0.609**	0.516**	0.954**	0.895**	0.436**	0.798**	-0.088	-0.763**	0.444**	-0.357*
Heart weight	0.320*	0.310*	0.306*	1	0.351*	0.571**	0.635**	0.214	0.506**	0.716**	-0.460**	0.234	-0.010
Liver weight	0.395**	0.410**	0.300*	-0.105	1	0.428**	0.486**	0.165	0.212	-0.040	0.109	0.036	-0.140
Breast muscle weight (total)	0.865**	0.863**	0.892**	0.293*	0.150	1	0.814**	0.389*	0.808**	-0.095	-0.763**	0.685**	-0.419*
Leg muscle weight (single)	0.593**	0.590**	0.578**	0.275*	0.248	0.584**	1	0.284	0.622**	0.034	-0.641**	0.252	0.084
Slaughter rate	0.313*	0.395**	0.364**	0.018	0.296*	0.289*	0.184	1	0.418*	-0.065	-0.375*	0.107	-0.362*
Whole net carcass rate	0.250	0.266	0.547**	0.081	-0.157	0.446**	0.193	0.259	1	-0.008	-0.811**	0.498**	-0.460**
Heart rate	-0.179	-0.188	-0.214	0.853**	-0.235	-0.190	-0.039	-0.144	-0.195	1	0.032	-0.075	0.295
Liver rate	-0.384**	-0.370**	-0.503**	-0.303*	0.659**	-0.561**	-0.218	0.018	-0.555**	-0.002	1	-0.463**	0.374*
Breast muscle rate (total)	0.262	0.252	0.237	0.086	-0.201	0.647**	0.291*	-0.005	0.063	-0.088	-0.392**	1	-0.477**
Leg muscle rate (single)	-0.110	-0.115	-0.177	0.054	0.071	-0.081	0.694**	-0.075	-0.253	0.135	0.213	0.126	1

Note: the lower triangle is the correlation coefficient of french giant meat quail, and the upper triangle is the correlation coefficient of savimalt meat quail. **It means that the correlation coefficient is extremely significant (P<0.01), * means that the correlation coefficient is significant (P<0.05), and the other is that the correlation coefficient is not significant (P>0.05).

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